

The Western Journal of Medicine

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Change of Address—Requests for change of address should give both the old and new address. Allow six weeks for changeover.

SUBMITTING MANUSCRIPTS

"Information for Authors"—A complete guide to manuscript submission and *WJM* style appears in the January and July issues. Manuscripts may be prepared in accordance with the "Uniform Requirements for Manuscripts Submitted to Biomedical Journals" (*British Medical Journal*, June 12, 1982; *Annals of Internal Medicine*, June 1982).

Author Responsibility—Authors are responsible for all statements, conclusions and methods of presenting subjects. Articles are accepted on condition that they are contributed solely to this journal.

Manuscripts—Ordinarily manuscripts should not exceed 3,000 words (less than 15

typed double-spaced pages). The *original* manuscript and two copies should be submitted, typed double-spaced throughout. If photographic illustrations are desired, three sets of clear, unmounted black and white glossy prints should be supplied. For line drawings, original artwork or glossy prints are acceptable. Tables should be typed on separate sheets of paper.

Clinical Investigation—Papers that authors wish considered for the Clinical Investigation section should be so designated in the transmittal letter. Such papers should describe experimental work in humans that extensively and prospectively examines scientific hypotheses relating to disease.

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The following list of continuing medical education programs in Arizona is compiled by the Arizona Medical Association. All courses listed have been certified as meeting the criteria for Category I of the ArMA CME Certificate and the AMA Physicians Recognition Award. To list Category I continuing medical education programs, please send information to Arizona Medical Association, 810 West Bethany Home Road, Phoenix, AZ 85013; or phone (602) 246-8901.

Brochures and registration forms are available from the contact person or organization sponsoring the program.

July 25—Day of Surgery. Flagstaff. Friday. Contact: Leonard Wright, MD, (602) 523-4569.

July 26-27—22nd Annual Coconino County Medical Society Summer Medical Seminar. Flagstaff. Saturday-Sunday. Contact: Leonard Wright, MD, (602) 523-4569.

CONTACT INFORMATION

ArMA—Contact: Arizona Medical Association, 810 W Bethany Home Rd, Phoenix, AZ 85013. (602) 246-8901.

U of A—Contact: University of Arizona College of Medicine, Arizona Health Sciences Center, Tucson, AZ 85724. (602) 626-6173.

CALIFORNIA, HAWAII AND NEVADA

This listing of continuing education programs in California, Hawaii and Nevada is supplied by the Committee on Continuing Medical Education of the California Medical Association. All courses and meetings listed have been approved for Category I credit toward the CMA Certificate in Continuing Medical Education. To have accredited courses listed here, please send information at least two months in advance to Department of Continuing Medical Education, California Medical Association, 44 Gough St, San Francisco 94103; or phone (415) 863-5522. For a list of organizations approved for Category I credit toward the CMA Certificate in Continuing Medical Education or for more information on accreditation or certification, please write to the above address.

ALLERGY

September 20—New Directions in the Treatment of Asthma. Los Angeles Society of Allergy and Clinical Immunology at Beverly Wilshire Hotel, Beverly Hills. Saturday. Contact: Mrs Geri Coldewey, LASACI, 1626 N Wilcox, #557, Hollywood 90028.

October 7-10—Rheumatology and Clinical Immunology: A Practical Approach. UCSF at Stanford Court Hotel, San Francisco. Tuesday-Friday. Contact: UCSF.

October 27-31—The Western Society of Allergy and Immunology's 25th Annual Session. Marriott Hotel, Maui, Hawaii. Monday-Friday. Contact: Joyce Gullixson, 1700 SW Columbia, Portland, OR 97201. (503) 224-6159.

December 21-27—Allergy, Immunology and the Practicing Physician—"Christmas '86—Maui." Hawaii Medical Association at Royal Lahaina Resort, Kaanapali Beach, Maui. One week. 18 hrs. Fee: \$385. Contact: Joe Harrison, MD, Symposium Maui, Inc, PO Box 10185, Lahaina, HI 96761. (808) 879-8182 or 661-8032.

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KEY TO ABBREVIATIONS

- CMA:** California Medical Association
Contact: Continuing Medical Education, California Medical Association, PO Box 7690, San Francisco 94120-7690. (415) 863-5522.
- DREW:** Charles R. Drew Postgraduate Medical School
Contact: Herbert M. Thomas, MD, MPH, Director of CME, Office of Continuing Education, Charles R. Drew Postgraduate Medical School, 1621 East 120th Street, Los Angeles 90059. (213) 603-3183.
- LLU:** Loma Linda University
Contact: Varner J. Johns, Jr, MD, Associate Dean for Continuing Medical Education, Loma Linda University School of Medicine, Loma Linda 92354. (714) 796-7311, ext 2400.
- PMC:** Pacific Medical Center
Contact: Continuing Education, Pacific Medical Center, PO Box 7999, San Francisco 94120. (415) 563-4321, ext 2761.
- STAN:** Stanford University
Contact: Edward Rubenstein, MD, Associate Dean for Postgraduate Education, Stanford University School of Medicine, 300 Pasteur Drive, Stanford 94305. (415) 497-5594.
- UCD:** University of California, Davis
Contact: Ruth Feryok, Director, Office of Continuing Medical Education, University of California, Davis, School of Medicine, 2701 Stockton Boulevard, Sacramento 95817. (916) 453-5390.
- UCI:** University of California, Irvine
Contact: E. R. Jennings, MD, Assistant Dean, University of California, Irvine, California College of Medicine, c/o UCI/CME Program, Memorial Hospital Medical Center, 2801 Atlantic Avenue, Long Beach 90801. (213) 595-3837, or (714) 856-5414, UCI Extension.
- UCLA:** University of California, Los Angeles
Contact: Martin D. Shickman, MD, Director, Continuing Education in Medicine and the Health Sciences, PO Box 24902, UCLA, Los Angeles 90024. (213) 825-7241.
- UCSD:** University of California, San Diego
Contact: Office of Continuing Medical Education, University of California, San Diego, School of Medicine (M-017), La Jolla 92093. (619) 452-3940.
- UCSF:** University of California, San Francisco
Contact: David S. Gullion, MD, Director, Extended Programs in Medical Education, School of Medicine, University of California, San Francisco 94143. (415) 666-4251.
- USC:** University of Southern California
Contact: Phil R. Manning, MD, Associate Dean, Postgraduate Division, University of Southern California School of Medicine, 2025 Zonal Avenue, Los Angeles 90033. (213) 224-7051.

THE WESTERN JOURNAL OF MEDICINE

INFORMATION FOR AUTHORS

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Manuscripts for consideration should be sent to the editor, Malcolm S. M. Watts, MD, PO Box 7602, San Francisco, California 94120-7602. The transmittal letter should designate one person as correspondent and include complete address, with ZIP code and telephone number.

In view of *The Copyright Revision Act of 1976*, transmittal letters should contain the following language: "In consideration for reviewing and editing my submission, the author(s) undersigned hereby transfers, assigns or otherwise conveys all copyright ownership to THE WESTERN JOURNAL OF MEDICINE in the event that such work is published by the journal." This statement should be signed by *all* authors.

Authors are urged to seek clarity and succinctness in all manuscripts regardless of subject matter or format and to give close attention to syntax, grammar and spelling.

Clinical Investigation Section

Articles that authors wish to have considered for the Clinical Investigation section should be so designated in the transmittal letter. The type of articles appropriate for this section are those that describe experimental work in humans that extensively and prospectively examines scientific hypotheses relating to disease. An article describing a single case report will not normally be considered appropriate for this section.

Preparing Manuscripts

The original manuscript and *two* copies should be submitted on heavy bond paper (8½ by 11 inches, *not* erasable), typed *double-spaced throughout* (including legends, tables and references) on one side of the paper, with 1½-inch margins. Ordinarily, articles should not exceed 3,000 words (less than 15 text pages, typed double-spaced). Under exceptional circumstances only will articles longer than 4,000 words be published. Pages should be numbered consecutively, beginning with the title page. Manuscripts produced with a dot-matrix printer are ordinarily not acceptable.

Style

Abbreviations. Use of abbreviations should be minimized. If they are necessary, abbreviations should be spelled out at first mention, with the abbreviation itself immediately following in parentheses.

Weights and measures. All measurements should be given in metric units. English equivalents should be given parenthetically if the measurements were originally done in English units.

Temperatures. Temperature readings should be given first in Celsius, followed by the Fahrenheit equivalent in parentheses.

Drug names. If the trade name of a drug is used, the generic name should be given first, followed by the trade name in parentheses. Trade names are capitalized, generic names are not.

Title Page

Titles are best when brief and concise. The title page should include the full name of the author(s), with degrees, academic or professional titles, complete addresses and any institutional or other affiliations. The complete name and address of the person who will handle reprint requests also should appear on this page.

Abstract

The abstract (approximately 150 words) should be a short summary, saying in brief what is said at length in the body of the article—rather than such and such "is discussed," "is presented" or "was investigated."

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Tables

Each table should be typed on a separate sheet of paper, be numbered consecutively in Arabic numerals, have a brief descriptive title and have its position indicated in the text.

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Three sets of clear, unmounted black and white glossy prints of figures should be submitted (preferably 5 by 7 inches, but no larger than 8½ by 11 inches). For line drawings, original artwork or glossy prints are acceptable. Illustrations should be numbered consecutively in Arabic numerals and the position indicated in the text. Figure number, first author's name and top of the photo should be shown on the reverse side of each illustration. Recognizable photographs of patients are to be masked and written permission for publication obtained from the patients.

Legends

All legends for figures should be typed together on a separate sheet of paper. Magnification and stain for photomicrographs should be indicated in parentheses.

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If an illustration or table has been used previously in another publication, written permission for its use must be obtained from the publisher, and should accompany the manuscript. The source should be acknowl-

edged in the legend if it can be done briefly by citation of a reference number. Otherwise, acknowledgment is made at the end of the figure legend or at the bottom of the table.

References

References should be limited to those cited in the text. They must be typed double-spaced and numbered consecutively as they appear in the manuscript. (See examples below for style.) Abbreviations of journal titles should conform to those used in *Index Medicus*.

Journal Articles

Note handling of multiple authorship. If more than three authors are listed as contributors, use "et al" to designate those names after the first three. Also note capitalization, punctuation, mention of inclusive page numbers and year of publication. Separate the subtitle from the title by either a dash or a colon. Use colon *only* if it appears in the original citation.

1. Jones JS, Anderson HW, Johnson DW, et al: The athletic heart revisited—Sudden death of a 28-year-old athlete. *JAMA* 1978; 292:444-456

2. Graybill JR, Alford RH, Smith RG, et al: Cell-mediated immunity in cryptococcosis: A brief review. *Cell Immunol* 1978; 7:76-79

Books

Note handling of "edition," "editor(s)" and "volume," as well as appropriate sequence of reference information and capitalization of chapters and titles.

3. Berne EJ, Smith TL: Role playing in therapy, chap 2, *Principles of Group Therapy*. New York, Oxford University Press, 1966, pp 35-51 (*author of chapter same as author of book*)

4. Munsung JM: The role of drugs, chap 2, *In* Brest AN, Mayer JH (Eds): *Hypertension—Vol 2, Therapy*, 2nd Ed. Springfield, Ill, Charles C Thomas, 1961, pp 456-479 (*author of chapter different from authors of book*)

Pamphlets, Monographs or Books With No Given Author

5. AMA Department of Drugs: *AMA Drug Evaluation*, 3rd Ed. Littleton, Mass, Publishing Sciences Group, 1977 (*corporate author*)

6. *Compilation of Standard Definitions*, 3rd Ed. Philadelphia, American Society for Testing and Materials, 1976 (*no given author; give name and place of publisher*)

Articles in Press or Accepted for Publication

Any article accepted for publication should include the name of the journal (appropriately abbreviated) in which it will appear, and the phrase "in press" or "accepted for publication" in place of the date of publication.

Personal Communications and Unpublished Data

This information should *not* be included in the reference list but should be given in parentheses in the body of the text. Date of communication, whether it was oral or written and the person's name, highest academic degree and professional affiliation should be provided.

Acknowledgments

It is the policy of the *WJM* not to print acknowledgments, the feeling being that if a person has contributed enough to a paper to be mentioned, he or she should be included among the authors, or the contribution should be mentioned in the body of the paper or in a footnote.

Correspondence

Brief manuscripts commenting on articles that have appeared in the journal, containing information of interest to physicians or discussing issues of the day will be considered for publication. Very short reports of cases, clinical experience, clinical studies, adverse effects and the like also will be considered. Items for the Correspondence section should not exceed 600 words and should have no more than five bibliographic references and one figure or table.

Author Responsibility

Authors are responsible for all statements made in articles. Manuscripts are considered for publication with the explicit understanding that they are original, have not been published previously and are not simultaneously under consideration by any other publication.

All accepted manuscripts are subject to copy editing, and authors are sent edited galley proofs for approval. No changes will be made after the final, edited version has been approved by the author.

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If reprints are desired, they must be paid for by the author. A reprint order form with schedule of prices is sent to the author when the article is published. Authors are responsible for handling requests for reprints of their articles.

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*From the American Academy of Pediatrics Committee on Nutrition statement, Fluoride Supplementation: Revised Dosage Schedule. Pediatrics 63(1):150-152, 1979.

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REFERENCES:

1. Hennon DK, Stookey GK and Muhler JC: The Clinical Anticariogenic Effectiveness of Supplementary Fluoride-Vitamin Preparations—Results at the End of Four Years. J Dentistry for Children 34:439-443 (Nov) 1967.
2. Hennon DK, Stookey GK and Muhler JC: The Clinical Anticariogenic Effectiveness of Supplementary Fluoride-Vitamin Preparations—Results at the End of Five and a Half Years. Pharmacology and Therapeutics in Dentistry 1:1-6 (Oct) 1970.
3. Hennon DK, Stookey GK and Muhler JC: Prophylaxis of Dental Caries: Relative Effectiveness of Chewable Fluoride Preparations With and Without Added Vitamins. J Pediatrics 80:1018-1021 (June) 1972.

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CONTINUING MEDICAL EDUCATION

(Continued from Page 13)

ANESTHESIOLOGY

August 17-22—Clinical Anesthesia. California Society of Anesthesiologists at The Waiohai Hotel, Poipu Beach, Kauai. Sunday-Friday. 20 hrs. Contact: Linda P. Londerville, 100 S Ellsworth Ave, Ste 806, San Mateo 94401. (415) 348-1407.

September 6-7—Case Conference. California Society of Anesthesiologists and Travenol Laboratories at High Sierra Hotel, Lake Tahoe. Saturday-Sunday. 9 hrs. Contact: Linda P. Londerville, 100 S Ellsworth Ave, Ste 806, San Mateo 94401. (415) 348-1407.

September 26-28—Anesthesia Practice 1986. Anesthesiology Educational Foundation at Monterey. Friday-Sunday. 10.5 hrs. Contact: Anesthesiology Educational Foundation, PO Box 24230, Federal Bldg, Los Angeles 90024.

October 22-28—Post-ASA Annual Meeting. California Society of Anesthesiologists at Maui Intercontinental Hotel, Hawaii. Wednesday-Tuesday. 20 hrs. Contact: Linda P. Londerville, 100 S Ellsworth Ave, Ste 806, San Mateo 94401. (415) 348-1407.

CANCER

September 25-26—Advances in Treatment of Leukemia and Marrow Stem Cell Disorders. UCSF at Sheraton Wharf Hotel; San Francisco. Thursday-Friday. 9 hrs. Fee: \$100. Contact: UCSF.

October 27-29—10th Annual Cancer Symposium. Scripps Memorial Hospital at Sheraton Island Hotel East, San Diego. Monday-Wednesday. 22 hrs. Fee: \$350. Contact: Nomi Feldman, Conference Coordinator, 3770 Tansy, San Diego 92121. (619) 453-6222.

CARDIOLOGY

July 25—Advanced Cardiac Life Support. CPR Seminars at Ralph K. Davies Medical Center, San Francisco. Friday. Contact: CPR Seminars, 833 Market St, Ste 421, San Francisco 94103. (415) 543-7282.

July 26-27—Hemodynamic Monitoring/Pulmonary Artery Catheterization. STAN. Saturday-Sunday. 15 hrs. Fee: \$350. Contact: STAN.

August 1-2—Coronary Heart Disease and Arrhythmias: Diagnosis and Management. Creighton University at Sheraton Hotel, Anaheim. Friday-Saturday. 11 hrs. Fee: \$295. Contact: Debbie Wilderson, Medical Education Resources, 5808 S Rapp St, Ste 202, Littleton, CO 80120. (800) 421-3756 or in Colorado (303) 798-9682.

August 3-7—Current Concepts in Cardiology. UCD at Hyatt Lake Tahoe, Incline Village. Sunday-Thursday. 18 hrs. Fee: \$325. Contact: UCD.

September 10-11—54th Annual Fall Symposium and 19th Annual George C. Griffith Scientific Lec-

ture. American Heart Association, Los Angeles, at Hilton Hotel, Los Angeles. Wednesday-Thursday. Contact: Marianne Joyce, AHA, 3550 Wilshire Blvd, Los Angeles 90010. (213) 385-4231.

September 18-20—**Recent Advances in Pulmonary and Critical Care Medicine.** UCSF at Hotel Meridien, San Francisco. Thursday-Saturday. 15 hrs. Fee: \$350. Contact: UCSF.

September 22-26—**American College of Chest Physicians 52nd Annual Scientific Assembly.** San Francisco. Monday-Friday. Contact: ACCP, Division of Education, 911 Busse Highway, Park Ridge, IL 60068. (312) 698-2200.

October 10-11—**Vascular and Pulmonary Diseases: Diagnosis and Management.** Medical Education Resources at Sheraton at Fisherman's Wharf, San Francisco. Friday-Saturday. 11 hrs. Fee: \$295. Contact: Medical Education Resources, Debbie Wilderson, 5808 S Rapp St, Ste 202, Littleton, CO 80120. (800) 421-3756 or in Colorado (303) 798-9682.

October 16-18—**10th Annual Cardiology Update—1986.** American College of Cardiology at Quail Lodge, Carmel. Thursday-Saturday. Contact: ACC, 9111 Old George Town Rd, Bethesda, MD 20814. (301) 897-5400, ext 227.

October 24-26—**Advanced Cardiac Life Support.** CPR Seminars at Ralph K. Davies Medical Center, San Francisco. Friday-Sunday. Contact: CPR Seminars, 833 Market St, Ste 421, San Francisco 94103. (415) 543-7282.

November 1—**The Heart and the Brain: Clinical Interrelationships—Office Management of Stress and Emotionally Induced Cardiovascular Disabilities.** UCI at Center for Health Education, Long Beach. Saturday. Contact: UCI.

December 12-13—**Arrhythmias: Interpretation, Diagnosis and Management.** Medical Education Resources at Americana Canyon Hotel, Palm Springs. Friday-Saturday. 11 hrs. Fee: \$295. Contact: Medical Education Resources, Debbie Wilderson, 5808 S Rapp St, Ste 202, Littleton, CO 80120. (800) 421-3756 or in Colorado (303) 798-9682.

December 12-14—**Advances in Heart Disease.** American College of Cardiology at Hyatt Regency on Union Square, San Francisco. Friday-Sunday. Contact: ACC, 9111 Old George Town Rd, Bethesda, MD 20814. (301) 897-5400, ext 227.

DERMATOLOGY

August 20-24—**Advanced Seminars in Dermatology.** UCSF at Hyatt Lake Tahoe. Wednesday-Sunday. Contact: UCSF.

September 21—**1 Day Dermatology and Dermatologic Office Procedures Workshop.** Continuing Medical Education Associates at Kona Kai Club, San

Diego. Sunday. 7 hrs. Fee: \$185. Contact: J. Shiller, CMEA, PO Box 84296, San Diego 92138. (619) 223-2997.

September 22-28—**Combined Skin Pathology.** UCI at Newporter Inn, Newport Beach. Monday-Sunday. Contact: UCI.

September 28—**1 Day Dermatology and Dermatologic Office Procedures Workshop.** Continuing Medical Education Associates at Holiday Inn on Union Square, San Francisco. Sunday. 7 hrs. Fee: \$185. Contact: J. Shiller, CMEA, PO Box 84296, San Diego 92138. (619) 223-2997.

October 3-4—**15th Annual Mycology Review.** Stanford. Friday-Saturday. Contact: Paul H. Jacobs, MD, Dept of Dermatology, Stanford Medical Center, Stanford 94305. (415) 497-6105.

October 11-12—**The Skin From A to Z.** UCSF. Saturday-Sunday. Contact: UCSF.

October 18—**Dermatology.** Kaiser Permanente Medical Group at Ramada Renaissance Hotel, Long Beach. Saturday. 7 hrs. Fee: \$100. Contact: Judy Harrison, Dept of Clinical Services, Southern California Permanente Medical Group, 393 E Walnut St, Pasadena 91188. (818) 405-5000.

EMERGENCY MEDICINE

July 16-20—**Update on Trauma.** Mercy Medical Center, Redding at Mt Shasta/Trinity (bicycle tour). Wednesday-Sunday. 10 hrs. Fee: \$195. Contact: Shelley Underwood, Inservice Education, PO Box 6009, Redding 96099. (916) 225-6171.

July 18-20—**Update on Trauma.** Mercy Medical Center, Redding at Klamath River (rafting trip). Friday-Sunday. 10 hrs. Fee: \$125. Contact: Shelley Underwood, Inservice Education, PO Box 6009, Redding 96099. (916) 225-6171.

July 22-26—**Expedition and Mountain Medicine.** Mercy Medical Center, Redding at Mt Shasta (mountain climbing). Tuesday-Saturday. 10 hrs. Fee: \$150. Contact: Shelley Underwood, Inservice Education, PO Box 6009, Redding 96099. (916) 225-6171.

August 8-10—**Wilderness Emergency Care.** Mercy Medical Center, Redding at Klamath River (rafting trip). Friday-Sunday. 10 hrs. Fee: \$125. Contact: Shelley Underwood, Inservice Education, PO Box 6009, Redding 96099. (916) 225-6171.

August 9-16—**Updates in Wilderness and Environmental Medicine.** University of Arizona at Otter Bar Lodge, Forks of Salmon (near Eureka). One week. Contact: Epic Expeditions, PO Box 209, Sun Valley, ID 83353. (208) 788-4995.

August 18-22—**Postgraduate Institute for Emer-**

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gency and Primary Care Physicians. UCSD. Monday-Friday. Contact: UCSD.

August 25-29—**Topics in Emergency Medicine.** UCSF at Union Square Holiday Inn, San Francisco. Monday-Friday. 32.5 hrs. Fee: \$400. Contact UCSF.

August 26-29—**Update in Emergency Medicine.** Mercy Medical Center, Redding at Marble Mountain Wilderness (horse-packing). Tuesday-Friday. 10 hrs. Fee: \$195. Contact: Shelley Underwood, Inservice Education, PO Box 6009, Redding 96099. (916) 225-6171.

August 30-September 1—**Wilderness Emergency Care.** Mercy Medical Center, Redding at Klamath River (rafting trip). Saturday-Monday. 10 hrs. Fee: \$125. Contact: Shelley Underwood, Inservice Education, PO Box 6009, Redding 96099. (916) 225-6171.

September 22-26—**Postgraduate Institute for Emergency and Primary Care Physicians.** UCSD at Vacation Village Resort, San Diego. Monday-Friday. Contact: UCSD.

October 27-31—**Postgraduate Institute for Emergency and Primary Care Physicians.** UCSD at Hanalei Hotel, San Diego. Monday-Friday. Contact: UCSD.

December 7-13—**Current Concepts in Emergency Care.** American College of Emergency Physicians at Royal Lahaina Resort, Maui. Sunday-Saturday. 25 hrs. Contact: Georgine Elich, Kailani World Travel, 4192 Meridian Ave, Bellingham, WA 98226. USA (800) 426-2561 or in Washington (800) 562-2597.

December 8-12—**Postgraduate Institute for Emergency and Primary Care Physicians.** UCSD. Monday-Friday. 32 hrs. Fee: \$325-440. Contact: UCSD.

INTERNAL MEDICINE

July 21-25—**Internal Review of Internal Medicine.** USC at Los Angeles. Monday-Friday. Contact: UCSD.

August 17-22—**New Advances in Internal Medicine.** UCD at Hyatt Regency, Monterey. Sunday-Friday. Contact: UCD.

August 25-30—**7th Comprehensive Nephrology Review.** UCLA at Miramar Sheraton, Santa Monica. Monday-Saturday. 55.5 hrs. Fee: \$695. Contact: UCLA.

September 19-20—**Internal Medicine.** Kaiser Permanente Medical Group at Disneyland Hotel, Anaheim. Friday-Saturday. 11 hrs. Fee: \$150. Contact: Judy Harrison, Dept of Clinical Services, Southern California Permanente Medical Group, Pasadena 91188. (818) 405-5000.

OB/GYN

July 17-18—**14th Annual Seminar on Breastfeeding for Physicians.** La Leche League International at Hotel Del Coronado, San Diego. Thursday-Friday. 15 hrs. Contact: Carol Kolar, 9616 Minneapolis, PO Box 1209, Franklin Park, IL 60131-8209.

July 24-27—**E.J. Quilligan Conference on OB/GYN.** UCI at Hotel Del Coronado, San Diego. Thursday-Sunday. 14.5 hrs. Contact: UCI.

August 6-9—**Techno-Gynecology 1986.** UCI at Irvine Hilton and Towers. Wednesday-Saturday. Contact: UCI.

August 9-15—**Current Trends in Reproductive Endocrinology, Infertility and Contraception.** USC at Waimea Beach Hotel, Maui. Saturday-Friday. 21.5 hrs. Fee: \$525. Contact: USC.

August 14-16—**Advanced Colposcopy.** American College of Obstetricians and Gynecologists at Fairmont Hotel, San Francisco. Thursday-Saturday. 16 hrs. Contact: ACOG, 600 Maryland Ave SW, Ste 300E, Washington, DC 20024-2585.

October 2-5—**Advance Fetal Heart Monitoring.** UCI at Napa Valley. Thursday-Sunday. Contact: UCI.

October 10-11—**OB/GYN Ultrasound and Sonography—Update.** Sacramento Radiology Research and Education Foundation and Northern California Radiology Society. Friday-Saturday. 10 hrs. Fee: \$125. Contact: John P. McGahan, MD, Sacramento Radiology Research and Education Foundation, PO Box 19184, Sacramento 95819.

October 20-24—**16th Annual Review Course in Obstetrics and Gynecology.** USC at Pasadena Hilton Hotel. Monday-Friday. 38 hrs. Fee: \$545. Contact: USC.

October 20-25—**9th Annual Review Course in Clinical Obstetrics and Gynecology and/or Gynecological Histopathology.** UCI at Westin South Coast Plaza, Costa Mesa. Monday-Saturday. 17-46.5 hrs. Contact: UCI.

October 25—**Review Course for Gynecologic Pathology.** USC at Pasadena Hilton Hotel. Saturday. 6 hrs. Fee: \$105. Contact: USC.

October 29—**Breast Disease Symposium.** UCSF at US Grant Hotel, San Diego. Wednesday. Contact: R. Dawne Ryals and Assoc, PO Box 920113, Norcross, GA 30092-0113. (404) 641-9773.

December 4-7—**Current Issues in Perinatal Medicine.** UCI at Desert Princess Hotel, Palm Springs. Thursday-Sunday. Contact: UCI.

December 11-13—**Advanced Ultrasound.** American College of OB/GYN at Beverly Hilton Hotel, Beverly Hills. Thursday-Saturday. 16 hrs. Contact: ACOG, 600 Maryland Ave SW, Ste 300 East, Washington, DC 20024-2588. (202) 863-2542.

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OPHTHALMOLOGY

December 11-12—**An Update in Neuro-Ophthalmology.** UCSF at Hyatt on Union Square, San Francisco. Thursday-Friday. Contact: UCSF.

PATHOLOGY

October 20-25—**9th Annual Review Course in Clinical Obstetrics and Gynecology and/or Gynecological Histopathology.** UCI at Westin South Coast Plaza, Costa Mesa. Monday-Saturday. Contact: UCI.

October 25—**Review Course for Gynecologic Pathology.** USC at Pasadena Hilton Hotel. Saturday. 6 hrs. Fee: \$105. Contact: USC.

November 12-14—**International Symposium on Medical Virology.** UCI at Disneyland Hotel, Anaheim. Wednesday-Friday. 20 hrs. Fee: \$200-225. Contact: Dr Luis M. de la Maza, Dept of Pathology, Rte 84, UCI, 101 City Dr South, Orange 92668. (714) 634-6868.

PEDIATRICS

July 19-27—**4th National Kaiser Permanente Pediatrics Conference.** Oakland Kaiser Hospital at Sheraton Royal Waikoloa Hotel, Hawaii. Saturday-Sunday. 22.5 hrs. Contact: The Permanente Medical Group, 280 W MacArthur Blvd, Oakland 94611. (415) 428-5000.

August 13-16—**Pediatric Respiratory Disease Update: A California Perspective.** Sutter Community Hospital at Wailea, Maui. Wednesday-Saturday. 12 hrs. Fee: \$150. Contact: Betsy Stone, Sutter Community Hospitals, 52nd and F Streets, Sacramento 95819.

September 3-5—**Pediatric Trauma 1986: The Practice and Controversies.** San Diego Children's Hospital at Hotel Inter-Continental, San Diego. Wednesday-Friday. Fee: \$400. Contact: Unconventional, Inc, PO Box 33185, San Diego 92103. (619) 692-9115.

September 24-25—**43rd Annual Brennemann Memorial Lectures.** Los Angeles Pediatric Society at the Hilton Hotel, Los Angeles. Wednesday-Thursday. Contact: Eve Black, PO Box 2022, Inglewood 90305. (213) 757-1198.

October 16-18—**Practical Topics in Pediatric Nutrition.** UCSF. Thursday-Saturday. 15 hrs. Fee: \$250. Contact: UCSF.

October 17-19—**Current Advances in Pediatrics: 3rd Annual American Academy of Pediatrics Disneyland Seminar.** AAP, Orange County Pediatric Society and UCI at Anaheim. Friday-Sunday. Contact: California Chapter 4, AAP, PO Box 1297, Orange 92668.

October 24-25—**Pediatric Symposium.** Kaiser Permanente Medical Group at Biltmore Hotel, Los Angeles. Friday-Saturday. 12 hrs. Fee: \$150. Contact: Judy Harrison, Dept of Clinical Services, Southern California Permanente Medical Group, 393 E Walnut St, Pasadena 91188. (818) 405-5000.

October 25-November 1—**Pediatrics for the Practitioner.** UCI at Mauna Kea Hotel, Hawaii. One Week. Contact: UCI.

November 13-15—**New Approaches in Children's Orthopaedics.** UCD at Monterey Plaza, Monterey. Thursday-Saturday. 9 hrs. Fee: \$340. Contact: UCD.

November 21-24—**American Academy of Pediatrics Las Vegas Seminars.** Caesars Palace, Las Vegas. Friday-Monday. Contact: AAP, (213) 757-1198.

PSYCHIATRY

December 28-January 3—**Psychiatry and the Practicing Physician—"New Year '87—Maui."** Hawaii Medical Association at Royal Lahaina Resort, Kaanapali Beach, Maui. Sunday-Saturday. 16.5 hrs. Fee: \$385. Contact: Joe Harrison, MD, Symposium Maui, Inc, PO Box 10185, Lahaina, HI 96761. (808) 879-8182.

RADIOLOGY

August 5-8—**Interventional Radiology.** UCSF at San Francisco Hyatt Regency. Tuesday-Friday. Contact: UCSF.

August 25-28—**Annual Napa Valley Radiology Conference.** Sacramento Radiology Research and Education Foundation and the Northern California Radiology Society at Silverado Inn, Napa. Monday-Thursday. 20 hrs. Fee: \$360. Contact: John P. McGahn, MD, Sacramento Radiology Research and Education Foundation, PO Box 19184, Sacramento 95819.

August 25-29—**Radiology.** USC at Kauai, Hawaii. Monday-Friday. 27 hrs. Fee: \$535. Contact: USC.

September 1-5—**Physics and Biology of Radiology.** UCSD at Town and Country Hotel, San Diego. Monday-Friday. 28 hrs. Contact: R. Dawne Ryals, Ryals and Assoc, PO Box 920113, Norcross, GA 30092-0113. (404) 641-9773.

September 6—**Radiology.** Kaiser Permanente Medical Group at Disneyland Hotel, Anaheim. Saturday. 7.5 hrs. Fee: \$100. Contact: Judy Harrison, Dept of Clinical Services, Southern California Permanente Medical Group, 393 E Walnut St, Pasadena 91188. (818) 405-5000.

September 6-7—**Head and Neck Radiology.** UCSF at San Francisco Hyatt Regency. Saturday-Sunday. Contact: UCSF.

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September 8-12—Clinical Magnetic Resonance Imaging. UCSF at San Francisco Hyatt Regency. Monday-Friday. Contact: UCSF.

September 12-14—Sonographers' Update and Review. UCSD at Hanalei Hotel, San Diego. Friday-Sunday. Contact: R. Dawne Ryals, Ryals and Assoc, PO Box 920113, Norcross, GA 30092-0113. (404) 641-9773.

September 24-26—Interventional Radiology Tutorial: Non-Vascular Techniques. Sharp Memorial Hospital, San Diego at Hyatt Islandia, San Diego. Wednesday-Friday. Contact: Elizabeth Douglas, Seminar Coordinator, 7901 Frost St, San Diego 92123. (619) 541-3206.

October 6-10—11th Annual San Diego Postgraduate Radiology Course. UCSD at the Hotel Del Coronado, San Diego. Monday-Friday. 24 hrs. Fee: \$425. Contact: R. Dawne Ryals, Ryals and Assoc, PO Box 920113, Norcross, GA 30092-0113. (404) 641-9773.

October 10-11—OB/GYN Ultrasound and Sonography—Update. Sacramento Radiology Research and Education Foundation and Northern California Radiology Society. Friday-Saturday. 10 hrs. Fee: \$125. Contact: John P. McGahan, MD, Sacramento Radiology Research and Education Foundation, PO Box 19184, Sacramento 95819.

October 19-23—11th Annual International Body Imaging Conference. West Park Hospital at Kauai, Hawaii. Sunday-Thursday. Contact: 11th Annual Body Imaging Conference, 21915 Roscoe Blvd, Ste 222, Canoga Park 91304. (818) 701-5143.

October 25-29—Radiology. USC at Kauai, Hawaii. Saturday-Wednesday. 27 hrs. Fee: \$535. Contact: USC.

October 30-November 1—San Diego Imaging Symposium. UCSD at US Grant Hotel, San Diego. Thursday-Saturday. Contact: R. Dawne Ryals, Ryals and Assoc, PO Box 920113, Norcross, GA 30092-0113. (404) 641-9773.

November 3-7—Diagnostic Radiology Seminars. UCSF at Maui Marriott Hotel, Hawaii. Monday-Friday. Contact: UCSF.

December 11-13—Advanced Ultrasound. American College of OB/GYN at Beverly Hilton Hotel, Beverly Hills. Thursday-Saturday. 16 hrs. Contact: ACOG, 600 Maryland Ave SW, Ste 300 East, Washington, DC 20024-2588. (202) 863-2542.

SPORTS MEDICINE

August 14-16—Cardiovascular Fitness/Sports Medicine. Mercy Medical Center, Redding at Klamath River (rafting trip). Thursday-Saturday. 10 hrs. Fee: \$125. Contact: Shelley Underwood, Inservice Edu-

cation, PO Box 6009, Redding 96099. (916) 225-6171.

August 16-23—Effective Diagnosis of Common Sport Injuries. University of Arizona at Otter Bar Lodge, Forks of Salmon (near Eureka). One Week. Contact: Epic Expeditions, PO Box 209, Sun Valley, ID 83353. (208) 788-4995.

November 25-28—Sports Medicine. American College of Sports Medicine and Children's Hospital Medical Center, Oakland at Inter-Continental Hotel, Maui. Tuesday-Friday. 25 hrs. Fee: \$300. Contact: Stuart Zeman, MD, Course Chairman, 2999 Regent St, Ste 203, Berkeley 94705. (415) 540-8686.

SURGERY

September 27-October 4—Temporal Bone Surgical Dissection and Cochlear Implant. Los Angeles House Ear Institute. One Week. 62 hrs. Fee: \$900. Contact: Antonio De La Cruz, MD, House Ear Institute, 256 South Lake St, Los Angeles 90057. (213) 483-4431.

September 28-October 1—Preparing Patients for Surgery. American College of Physicians and UCD at Monterey Hyatt Regency. Sunday-Wednesday. 14.75 hrs. Contact: ACP, Maxine Topping, (800) 523-1546, ext 207.

October 11—Lumbar Spine and Pelvis. UCSD at the Hotel Del Coronado, San Diego. Saturday. 7 hrs. Fee: \$150. Contact: R. Dawne Ryals, Ryals and Assoc, PO Box 920113, Norcross, GA 30092-0113. (404) 641-9773.

October 18-19—1986 Regional Review Course in Hand Surgery. American Society for Surgery of the Hand at Orthopaedic Hospital, Los Angeles. Saturday-Sunday. 12 hrs. Fee: \$200. Contact: American Society for Surgery of the Hand, 3025 S Parker Rd, Ste 65, Aurora, CO 80014. (303) 755-4588.

October 18-25—Temporal Bone Surgical Dissection and Cochlear Implant. House Ear Institute, Los Angeles. One Week. 62 hrs. Fee: \$900. Contact: Antonio De La Cruz, MD, House Ear Institute, 256 S Lake St, Los Angeles 90057. (213) 483-4431.

October 24-26—The Practical Applications of Recent Advances in Neurosurgery Research. Scripps Clinic and Research Foundation, La Jolla. Friday-Sunday. 16.5 hrs. Fee: \$250. Contact: Dept of Academic Affairs, Scripps Clinic and Research Foundation, 10666 N Torrey Pines Rd, La Jolla 92037. (619) 457-8556.

November 1-8—Temporal Bone Surgical Dissection and Cochlear Implant Courses. House Ear Institute. One week. 62 hrs. Fee: \$900. Contact: Antonio De La Cruz, MD, 256 S Lake St, Los Angeles 90057. (213) 483-4431.

November 10-14—Cochlear Implant. House Ear In-

stitute. Monday-Friday. 32 hrs. Fee: \$1,350. Contact: Antonio De La Cruz, MD, House Ear Institute, 256 S Lake St, Los Angeles 90057. (213) 483-4431.

December 4-7—2nd Annual Fracture Management Symposium. UCD at Hyatt Lake Tahoe, Incline Village, Nevada. Thursday-Sunday. 18 hrs. Fee: \$475. Contact: UCD.

December 7-19—Temporal Bone Surgical Dissection and Cochlear Implant. House Ear Institute. Sunday-Friday. 100 hrs. Fee: \$1,700. Contact: Antonio De La Cruz, MD, House Ear Institute, 256 S Lake St, Los Angeles 90057. (213) 483-4431.

OF INTEREST TO ALL PHYSICIANS

July 25-26—AIDS/ARC: Update '86. UCSF. Friday-Saturday. Contact: UCSF.

August 10-16—6th Annual Symposium on Fine Needle Aspiration. UCSF at Sheraton at Fisherman's Wharf, San Francisco. Sunday-Saturday. 25 hrs. Fee: \$550. Contact: UCSF.

August 16-27—Hawaii Refresher Course. USC at Honolulu/Maui. Saturday-Wednesday. 37 hrs. Fee: \$535. Contact: USC.

August 21-22—General Medicine for Practicing Physicians Update. Northern Inyo Hospital at Bishop. Thursday-Friday. 10 hrs. Fee: \$75. Contact: Mrs Barbara Parcher, Northern Inyo Hospital-Medical Education Bldg, 150 Pioneer Lane, Bishop, CA 93514.

September 9-10—Developing Services for Comprehensive AIDS Care: San Francisco General Hospital Workshop. UCSF. Tuesday-Wednesday. Contact: UCSF.

September 11-13—What the Clinician Should Know About the Treatment of Chemical Dependencies. California Society for the Treatment of Alcohol and Other Drug Dependencies at Marriott Hotel, Los Angeles Airport. Thursday-Saturday. 15-18 hrs. Fee: \$350-400. Contact: Sandy Swift, 3803 Broadway, Ste 2, Oakland 94611. (415) 428-9091.

September 17-19—Spine Update: 1986. UCSF at San Francisco Hyatt Regency. Wednesday-Friday. Contact: UCSF.

September 19-20—Progress in Impotence: Diagnosis and Therapy. UCSD at Hotel Inter-Continental, San Diego. Friday-Saturday. 13 hrs. Fee: \$295. Contact: UCSD.

September 18-21—California Conference on Applied Clinical Geriatrics. UCD at Yountville Veterans' Home, Napa Valley. Thursday-Sunday. Contact: UCD.

September 18-21—Making a Difference: A Work-

shop for International Health Volunteers. Plastic Surgery Foundation of San Diego at San Diego Hilton Beach and Tennis Resort. Thursday-Sunday. Fee: \$125. Contact: Plastic Surgery Foundation of San Diego, PO Box 33387, San Diego 92103. (619) 692-9115.

September 24-26—Primary Care Medicine: Principles and Practice. UCSF at Golden Gateway Holiday Inn, San Francisco. Wednesday-Friday. 19.5 hrs. Fee: \$350. Contact: UCSF.

October 4-11—Effective Diagnosis and Treatment of Infectious Diseases: California Wine Country Bicycling Tour. University of Arizona at Guerneville. One Week. 24 hrs. Contact: Epic Medical Expeditions, PO Box 209, Sun Valley, ID 83353. (208) 788-4995.

October 15—Alcohol and Drug Dependency. Kaiser Permanente Medical Group at Long Beach Hyatt Hotel. Wednesday. 6 hrs. Fee: \$100. Contact: Judy Harrison, Dept of Clinical Services, Southern California Permanente Medical Group, 393 E Walnut St, Pasadena 91188.

October 17-19—Practical Gastroenterology and Flexible Sigmoidoscopy for the Practicing Physician. UCSD and Continuing Medical Education Associates at Vacation Village Resort, San Diego. Friday-Sunday. 20 hrs. Fee: \$325. Contact: J. Shiller, CMEA, PO Box 84296, San Diego 92138. (619) 223-2997.

October 22—Update on Diabetes. Hospital of Good Samaritan, Los Angeles at Moseley-Salvatori Conference Center, Los Angeles. Wednesday. 7 hrs. Contact: Dolores Gay, 616 S Witmer St, Los Angeles 90017. (213) 977-2352.

October 23-25—International Conference. UCSF at Fairmont Hotel, San Francisco. Thursday-Saturday. Contact: UCSF.

October 23-25—Postgraduate Institute for Monterey Counties. CMA at Sheraton, Monterey. Thursday-Saturday. Contact: Janice Rigney, CMA.

November 5—Common Musculo-Skeletal Problems. Veterans Administration Medical Center, Sepulveda. Wednesday. 5 hrs. Contact: Arun J. Mehta, MD, Rehabilitation Medicine Service (117), VAMC, Sepulveda 91343. (818) 891-2473.

November 14—22nd Annual California Medical Center Staff Seminar: New Concepts in Medicine. Los Angeles. Friday. 6 hrs. Fee: \$50. Contact: California Medical Center, Kenneth L. Senter, MD, 1414 S Hope St, Los Angeles 90015. (213) 742-5750.

November 14-16—Office Orthopedics for the Primary Care Physician. Sharp Memorial Hospital and Continuing Medical Education Associates at Hotel Del Coronado, San Diego. Friday-Sunday. 18

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XANAX® Tablets
(alprazolam) ©

CONTRAINDICATIONS

Patients with sensitivity to this drug or other benzodiazepines and in acute narrow angle glaucoma.

WARNINGS:

Not of value in psychotic patients. Caution patients against hazardous occupations requiring complete mental alertness and about the simultaneous ingestion of alcohol and other CNS depressant drugs.

Benzodiazepines can cause fetal harm in pregnant women. Warn patients of the potential hazard to the fetus. Avoid during the first trimester.

PRECAUTIONS

General: The dosage of XANAX Tablets should be reduced or withdrawn gradually, since withdrawal seizures have been reported upon abrupt withdrawal. If XANAX is combined with other psychotropics or anticonvulsant drugs, consider drug potentiation (see Drug Interaction section). Exercise the usual precautions regarding size of the prescription for depressed or suicidal patients. In elderly and debilitated patients, use the lowest possible dosage (see Dosage and Administration). Observe the usual precautions in treating patients with impaired renal or hepatic function.

Information for Patients: Alert patients about: (a) consumption of alcohol and drugs, (b) possible fetal abnormalities, (c) operating machinery or driving, (d) not increasing dose of the drug due to risk of dependence, (e) not stopping the drug abruptly. **Laboratory Tests:** Not ordinarily required in otherwise healthy patients. **Drug Interactions:** Additive CNS depressant effects with other psychotropics, anticonvulsants, antihistamines, ethanol and other CNS depressants. Pharmacokinetic interactions with benzodiazepines have been reported. **Drug/Laboratory Test Interactions:** No consistent pattern for a specific drug or specific test. **Carcinogenesis, Mutagenesis, Impairment of Fertility:** No carcinogenic potential or impairment of fertility in rats. **Pregnancy:** See Warnings. **Nonteratogenic Effects:** The child born of a mother on benzodiazepines may be at some risk for withdrawal symptoms and neonatal flaccidity. **Labor and Delivery:** No established use. **Nursing Mothers:** Benzodiazepines are excreted in human milk. Women on XANAX should not nurse. **Pediatric Use:** Safety and effectiveness in children below the age of 18 have not been established.

ADVERSE REACTIONS

Side effects are generally observed at the beginning of therapy and usually disappear with continued medication. In the usual patient, the most frequent side effects are likely to be an extension of the pharmacologic activity of XANAX, eg, drowsiness or lightheadedness.

Central nervous system: Drowsiness, lightheadedness, depression, headache, confusion, insomnia, nervousness, syncope, dizziness, akathisia, and tiredness/sleepiness.

Gastrointestinal: Dry mouth, constipation, diarrhea, nausea/vomiting, and increased salivation.

Cardiovascular: Tachycardia/palpitations, and hypotension.

Sensory: Blurred vision.

Musculoskeletal: Rigidity and tremor.

Cutaneous: Dermatitis/allergy.

Other side effects: Nasal congestion, weight gain, and weight loss.

In addition, the following adverse events have been reported with the use of benzodiazepines: dystonia, irritability, concentration difficulties, anorexia, transient amnesia or memory impairment, loss of coordination, fatigue, sedation, slurred speech, jaundice, musculoskeletal weakness, pruritus, diplopia, dysarthria, changes in libido, menstrual irregularities, incontinence and urinary retention.

Paradoxical reactions such as stimulation, agitation, increased muscle spasticity, sleep disturbances, and hallucinations may occur. Should these occur, discontinue the drug.

During prolonged treatment, periodic blood counts, urinalysis, and blood chemistry analysis are advisable. Minor EEG changes of unknown significance have been observed.

DRUG ABUSE AND DEPENDENCE

Physical and Psychological Dependence: Withdrawal symptoms have occurred following abrupt discontinuance of benzodiazepines. Withdrawal seizures have occurred upon rapid decrease or abrupt discontinuation of therapy. In all patients, dosage should be gradually tapered under close supervision. Patients with a history of seizures or epilepsy should not be abruptly withdrawn from XANAX. Addiction-prone individuals should be under careful surveillance. **Controlled Substance Class:** XANAX is a controlled substance and has been assigned to schedule IV.

DOSAGE AND ADMINISTRATION

The usual starting dose is 0.25 to 0.5 mg, t.i.d. Maximum total daily dose is 4 mg. In the elderly or debilitated, the usual starting dose is 0.25 mg, two or three times daily. Reduce dosage gradually when terminating therapy, by no more than one milligram every three days.

CAUTION: FEDERAL LAW PROHIBITS DISPENSING WITHOUT PRESCRIPTION.

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January 1986

CONTINUING MEDICAL EDUCATION

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hrs. Fee: \$325. Contact: J. Shiller, CMEA, PO Box 84296, San Diego 92138. (619) 223-2997.

November 21—Orthopedic Symposium. Kaiser Permanente Medical Group at Marina Beach Hotel, Marina Del Rey. Friday. 7 hrs. Fee: \$100. Contact: Judy Harrison, Dept of Clinical Services, Southern California Permanente Medical Group, 393 E Walnut St, Pasadena 91188. (818) 405-5000.

November 22-29—Stress Management: Hawaiian Islands Cruise Adventure. University of Arizona. One Week. 24 hrs. Contact: Epic Medical Expeditions, PO Box 209, Sun Valley, ID 83353. (208) 788-4995.

December 11-12—AIDS and the Nervous System. UCSF at St Francis Hotel, San Francisco. Thursday-Friday. 10 hrs. Contact: UCSF.

IDAHO

July 23-26—Idaho Medical Association—Annual Meeting. Sun Valley. Wednesday-Saturday. Contact: IMA, 305 W Jefferson, PO Box 2668, Boise 83701. (208) 344-7888.

August 1-3—Coeur d'Alene Emergency Medical Conference. Coeur d'Alene. Friday-Sunday. Sponsors: Idaho EMS System, Idaho ACEP, Idaho ACS and Rural Model EMS System. Contact: Lake Coeur d'Alene Emergency Conference, c/o Idaho EMS System, 450 W State St, Boise 83720. (208) 334-4245.

August 2-9—Updates in Trauma. Idaho Backcountry Bicycling Adventure. One week. Sponsors: University of Arizona, Department of Family and Community Medicine, and Epic Medical Expeditions. 24 hrs. Contact: Epic Medical Expeditions, PO Box 209, Sun Valley 83353. (208) 788-4995.

NEW MEXICO

Information, requests for accreditation and items to be listed should be sent to the chairman of the CME Committee, New Mexico Medical Society, 303 San Mateo NE, Suite 204, Albuquerque, NM 87108 at least two months in advance. For information on CME accreditation or on the CME requirements of the New Mexico Board of Medical Examiners, please write to the above address or call (505) 266-7868.

NOTE: Course information in the following listing is subject to change on occasion. Check with the sponsoring institution for current details.

July 17-18—Farwest Image Perception Conference. Albuquerque. Thursday-Friday. Hilton Hotel. AMA

Cat. 1. Contact: Office of CME, UNM School of Medicine, Albuquerque 87131. (505) 277-3942.

July 21-24—Ruidoso Family Practice Seminar. Ruidoso. Monday-Thursday. Inn of the Mountain Gods. AMA Cat. 1, AAFP Prescribed Hours. Contact: NM Chapter, American Academy of Family Physicians, PO Box 23070, Albuquerque 87192. (505) 298-5300.

July 21-28—Social Justice and Health Care. Abiqui. One week. Ghost Ranch. Contact: Ghost Ranch, Abiqui, NM. (505) 685-4333.

July 24-26—Update in Surgical Pathology. Albuquerque. Thursday-Saturday. Sheraton Old Town Inn. AMA Cat. 1. Contact: Office of CME, UNM School of Medicine, Albuquerque 87131. (505) 277-3942.

July 25-26—Santa Fe Cardiology Symposium. Santa Fe. Friday-Saturday. Hotel Eldorado. 14 hrs. Cat. 1. Contact: Richard D. Lueker, MD, 3620 Wyoming NE, #114, Albuquerque 87111. (505) 292-1114.

September 11-13—Concepts and Controversies in Perinatal Care. Albuquerque. Thursday-Saturday. Clarion Four Seasons. AMA Cat. 1. Contact: Office of CME, UNM School of Medicine, Albuquerque 87131. (505) 277-3942.

September 20—NM Physicians Mutual Liability Insurance Company Annual Loss Control Seminar. Albuquerque. Saturday. Convention Center. Contact: K.D. Dickson, NMPMLIC, 303 San Mateo NE, Albuquerque 87108. (505) 262-1941.

September 26—John N. Wilson, MD, Lectureship in Cardiovascular Disease. Albuquerque. Friday. Marriott Hotel. 6 hrs. Cat. 1. Contact: Ann Nelson, Presbyterian Heart Institute, PO Box 26666, Albuquerque 87125. (505) 841-1438.

October 10-11—Second Annual Balloon Fiesta Lung Disease Conference. Albuquerque. Friday-Saturday. Contact: NM Chapter, American Thoracic Society, 216 Truman NE, Albuquerque 87108. (505) 265-0732.

October 10-12—New Mexico Pediatric Association—Behavioral Disorders, Adolescent Adjustment Reaction, Sexual Abuse of Pre-adolescents. Friday-Sunday. AMA Cat. 1. Contact: Charles Anderson, MD, PO Box 6132, Taos 87571. (505) 758-8651.

November 7-8—New Mexico Medical Society Interim Meeting. Las Cruces. Friday-Saturday. Holiday Inn de Las Cruces. Contact: New Mexico Medical Society, 303 San Mateo NE, Albuquerque 87108. (505) 266-7868

December 4-6—Annual Meeting—New Mexico Chapter, American College of Physicians/New Mexico Society of Internal Medicine. Thursday-

Saturday. AMA Cat. 1. Contact: Office of CME, UNM School of Medicine, Albuquerque 87131. (505) 277-3942.

OREGON

The following list of continuing medical offerings in the state of Oregon is compiled by the Oregon Medical Association's Council on Medical Education. If you wish to submit information regarding future postgraduate courses, please submit the information to James A. Kronenberg, Associate Executive Director, Oregon Medical Association, 5210 SW Corbett Ave, Portland, OR 97201, or phone (503) 226-1555.

MEDICAL GRAND ROUNDS

Douglas Community Hospital, 738 W Harvard Ave, Roseburg 97470:

Every Monday, 12:30 p.m. Contact: Robert A. Driver, MD, Douglas Community Hospital, 738 W Harvard Ave, Roseburg 97470. (503) 673-6641.

Emanuel Hospital, 2801 N Gantenbein St, Portland 97227:

Every Friday, 12:15 p.m. to 1:00 p.m. **Medical Grand Rounds.** Contact: Philippa McClure, Emanuel Hospital, 2801 N Gantenbein St, Portland 97227. (505) 280-3200.

Good Samaritan Hospital and Medical Center, 1015 NW 22nd Ave, Portland 97210:

Every Tuesday, 12:00 noon to 1:00 p.m. **Medicine Grand Rounds.** Neurological Sciences Buildings, First Floor Auditorium. Contact: Department of Medicine, Good Samaritan Hospital and Medical Center, 1015 NW 22nd Ave, Portland 97201. (503) 229-7454.

Providence Medical Center, 4805 NE Glisan, Portland 97213:

Every Wednesday, 8:00 a.m. **Medical Grand Rounds.** Contact: Richard Wernick, MD, Providence Medical Center, 4805 NE Glisan, Portland 97213. (503) 230-6085.

Sacred Heart General Hospital, 1200 Alder St, Eugene 97440:

Every Tuesday, 8:00 a.m. to 9:00 a.m. **Medical Grand Rounds.** Hospital Auditorium. Contact:

(Continued on Page 134)

CONTACT INFORMATION

OHSU-CME—Contact: Division of Continuing Medical Education, Oregon Health Sciences University, Portland, OR 97201. (503) 225-8700.

ular cranial nerve decompressed. In cases of trigeminal neuralgia, an initial success rate of up to 97% and a long-term rate of 80% can be anticipated. Both hemifacial spasm and glossopharyngeal neuralgia are eliminated in about 80% of patients after microvascular decompression of the respective cranial nerves. These procedures have been carried out now for more than a decade and long-term follow-up indicates these impressive results have persisted.

Clinical and laboratory research efforts have neither yielded the mechanism of these cranial neuropathies, nor have they precisely determined what role the microvascular cross-compression plays. Further questions remain as to why certain nerves seem prone to the development of a clinical syndrome, while others are minimally so. Future investigative efforts may clarify whether other disorders stem from vascular compression of neural structures in the posterior fossa. Nevertheless, microvascular decompression offers an important method of treatment in a growing number of cranial nerve syndromes.

KIM BURCHIEL, MD
Seattle

REFERENCES

Burchiel KJ, Steege TD, Howe JF, et al: Comparison of percutaneous radiofrequency gangliolysis and microvascular decompression for the surgical management of tic douloureux. *Neurosurgery* 1981 Aug; 9:111-119

Laha RK, Janetta PJ: Glossopharyngeal neuralgia. *J Neurosurg* 1977 Sep; 47:316-320

Loeser JD, Chen J: Hemifacial spasm: Treatment of microsurgical facial nerve decompression. *Neurosurgery* 1983 Aug; 13:141-146

Magnetic Resonance Imaging

OVER THE PAST TWO YEARS, in a dramatic technologic advancement, magnetic resonance (MR) imaging has assumed an important role in neurodiagnosis. Although computed tomographic (CT) scanning is still the better technique for assessing most acute cranial or spinal disorders involving hemorrhage or trauma, MR imaging has proved capable of visualizing a variety of central nervous system lesions that in some instances cannot be seen on CT. Remarkable images of such lesions, including multiple brain lesions seen at times in multiple sclerosis, the acquired immunodeficiency syndrome, brain abscesses and metastatic tumors, have been obtained.

Because MR imaging is extremely sensitive to changes in the brain water content, lesions associated with brain edema—the gliomas, meningiomas and intracerebral hema-

tomas, among others—are readily visualized. Bone does not show up well on MR images, and so this technique is particularly valuable in assessing posterior fossa lesions, such as brain-stem gliomas, acoustic nerve sheath tumors and infarction—conditions for which CT is at a disadvantage because of bone artifact or because many of these lesions are nearly isodense with brain on CT. Conversely, MR imaging is not as consistently useful as CT scanning in evaluating bone abnormalities unless the bone lesion is caused by tumor involvement.

MR imaging has rapidly been accepted as the superior diagnostic test for many spinal cord and spinal canal abnormalities. Cord or dural sac compression is seen readily on MR images. Nerve root compression by a herniated intervertebral disc, though, may still be best evaluated by CT or myelography. Spinal cord tumors and syrinxes can be defined well on MR images, whereas they may not be seen at all on other studies. With conventional or CT myelography, their presence often can only be inferred by cord widening. Conventional myelography soon may be used only rarely, in view of the minute detail displayed by MR imaging and the improvement in CT spine images that has been obtained.

Because MR imaging is generally more sensitive than CT in detailing brain and spinal cord lesions, it is in many cases, wherever available, the procedure of choice for an initial diagnostic study. The exceptions are patients with acute trauma, stroke or suspected intracranial hemorrhage, in which cases CT scanning without contrast is indicated. Caution is necessary in scanning patients who may have metallic implants. The cost of CT scans and MR imaging of the spine and brain is comparable. Recognizing the value of MR imaging, the State of California's Medicaid program (Medi-Cal) now provides reimbursement for MR imaging done to evaluate brain and spinal cord pathology. The safety, efficacy and sensitivity of MR imaging have established its position as a critical diagnostic tool for neurologic disease.

LAWRENCE H. PITTS, MD
San Francisco

REFERENCES

Kucharczyk W, Brant-Zawadzki M, Norman D, et al: Magnetic resonance imaging of the central nervous system—An update. *West J Med* 1985; 142:54-62

Brant-Zawadzki M, Norman D, Newton TH, et al: Magnetic resonance of the brain: The optimal screening technique. *Radiology* 1984; 152:71-77

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Medical Education Committee. PO Box 10905,
Eugene 97440.

Salem Hospital, 665 Winter St SE, Salem 97301:

First and third Thursday of each month 7:15 a.m. to 8:15 a.m. **Medical Live Audit Conference.** Memorial Auditorium. Contact: Diane Eyerly, Salem Hospital, 665 Winter St SE, Salem 97301. (503) 370-5339.

Every Friday, 7:30 a.m. to 8:30 a.m. **Friday Grand Rounds.** Memorial Auditorium. Contact: Diane Eyerly, Salem Hospital, 665 Winter St SE, Salem 97301. (503) 370-5339.

St. Vincent Hospital & Medical Center, 9205 SW Barnes Rd, Portland 97225:

First, third, fourth and fifth Wednesday of each month, 8:00 a.m. to 9:00 a.m. **Medical Grand Rounds.** Souther Auditorium. Contact: Bonnie Conger, Secretary to Dr Kenneth Melvin, St Vincent Hospital & Medical Center, 9205 SW Barnes Rd, Portland 97225. (503) 297-4411, Ext 2230.

Oregon Health Sciences University, Department of Psychiatry, Portland 97201:

Every Wednesday, 4:00 p.m. to 5:00 p.m. **Department of Psychiatry Grand Round Presentations.** Room 8B-60, University Hospital South, Oregon Health Sciences University. Contact: Dept of Psychiatry, Oregon Health Sciences University, Portland 97201. (503) 225-8144.

Oregon Health Sciences University, Department of Medicine, Portland 97201:

Every Tuesday, 8:00 a.m. to 9:00 a.m. **Department of Medicine Grand Rounds.** U.H.S.-8B-60, Oregon Health Sciences University. Contact: Dept of Medicine, Oregon Health Sciences University, Portland 97201. (503) 225-8607.

FAMILY PRACTICE GRAND ROUNDS

Every Wednesday, 11:00 a.m. to 12:00 Noon. **Family Practice Grand Rounds.** Family Practice Center, Oregon Health Sciences University, Portland. Contact: William A. Fisher, MD, Oregon Health Sciences University, Department of Family Practice, Portland 97201. (503) 225-7590.

EMERGENCY MEDICINE

October 23-24—**Pediatric Advanced Life Support.** Portland. Thursday-Friday. Red Lion Motor Inn/Portland Center. Contact: OHSU-CME.

FAMILY PRACTICE

October 23-25—**Pacific Northwest Review of Obstetrics and Gynecology.** See below.

OBSTETRICS AND GYNECOLOGY

October 23-25—**Pacific Northwest Review of Obstetrics and Gynecology.** Portland. Thursday-Saturday. Red Lion Motor Inn/Jantzen Beach. Contact: OHSU-CME.

PEDIATRICS

October 23-24—**Pediatric Advanced Life Support.** Portland. Thursday-Friday. Red Lion Motor Inn/Portland Center. Contact: OHSU-CME.

OF INTEREST TO ALL PHYSICIANS

July 14-16—**Plastic Surgery for the Primary Care Physician.** Sunriver Resort. Monday-Wednesday. Contact: OHSU-CME.

July 17-18—**Dermatology for the Non-Dermatologist.** Sunriver Resort. Thursday-Friday. Contact: OHSU-CME.

September 5-6—**The Ashland Conference: Endocrinology.** Ashland. Friday-Saturday. Ashland Hills Inn. Contact: OHSU-CME.

October 10-12—**The Salishan Conference: Cardiology.** Gleneden Beach. Friday-Sunday. Salishan Lodge. Contact: OHSU-CME.

UTAH

This listing of continuing medical education courses in Utah is compiled and edited by the CME office of the Utah State Medical Association. All courses listed have been certified by CME accredited institutions as meeting the criteria for Category 1 of the Physician's Recognition Award of the American Medical Association. They also must meet the definition of Utah Approved CME Credit for the purpose of medical license reregistration in Utah. Accredited institutions wishing to list AMA Category 1/Utah Approved CME courses here should send information at least two months in advance to the Office of Continuing Medical Education, 540 East Fifth South, Salt Lake City, Utah 84102; or phone (801) 355-5290. For information on CME accreditation or on the CME requirements of the Utah Physicians' Licensing Board, please write the CME office at the above address.

NOTE: Course information in the following listing is subject to change on occasion. Check with the sponsoring institution or the CME office for current details.

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MEDICAL GRAND ROUNDS

Each Wednesday—8:00-9:00 a.m. Alternating between University of Utah Medical Center and VA Medical Center, Salt Lake City. Contact: William D. Odell, MD, PhD, Professor and Chairman, Dept of Internal Medicine, Univ of Utah, (801) 581-7606.

* * *

July 13-18—**Summer Update in Clinical Microbiology and Immunology** (Sponsor: University of Utah). Sunday-Friday. Jackson Hole, Wyoming. 23 hrs. Contact: John Matsen, MD, (801) 581-7480.

July 25-26—**Diabetes Update** (Sponsor: UUMC). Friday-Saturday. Utah State University, Logan. 8 hrs. Contact: Chuck Hand, (801) 363-3024.

September 4-5—**Postgraduate Laser Program—GI**. (Sponsor: UUMC). Thursday-Friday. University of Utah Medical Center, Salt Lake City. 10 hrs. Contact: John Dixon, MD, (801) 581-2256.

September 10-12—**Utah State Medical Association Annual Meeting**. Wednesday-Friday. Yarrow Holiday Inn, Park City. Contact: USMA, 540 E Fifth South, Salt Lake City 84102. (801) 335-7477.

September 12-13—**Attention Deficit Disorder in Children and Adults** (Sponsor: UUMC). Friday-Saturday. Snowbird Resort. 6 hrs. Contact: Paul Wender, MD, (801) 581-8664.

September 19-20—**Postgraduate Laser Program—GYN** (Sponsor: UUMC). Friday-Saturday. University of Utah Medical Center, Salt Lake City. 10 hrs. Contact: John Dixon, MD, (801) 581-2256.

September 25-26—**Postgraduate Laser Program—Urology** (Sponsor: UUMC). Thursday-Friday. University of Utah Medical Center, Salt Lake City. 10 hrs. Contact: John Dixon, MD, (801) 581-2256.

SPONSORS OF COURSES—ABBREVIATIONS

- CH: Castleview Hospital (formerly Carbon Hospital), RFD 2, Box 46, Price, UT 84501. (801) 637-4800.
- CWH: Cottonwood Hospital, 5770 South 300 East, Salt Lake City 84101. (801) 262-3461.
- FHP: Family Health Program/Utah, 323 South Sixth East, Salt Lake City 84102. (801) 335-1234. Contact: Kay Schultz for course information.
- HCH: Holy Cross Hospital, 1045 East First South, Salt Lake City 84102. (801) 350-4744.
- LDSH: Latter-Day Saints Hospital, 325 8th Avenue, Salt Lake City 84143. (801) 350-1100.
- MDH: McKay-Dee Hospital Center, 3939 Harrison Blvd., Ogden 84409. (801) 399-4141.
- OSS: Ogden Surgical Society, PO Box 9311, Ogden 84409.
- PCMC: Primary Children's Medical Center, 320 12th Ave., Salt Lake City 84103. (801) 363-1221.
- UUMC: University of Utah Medical Center, 50 North Medical Drive, Salt Lake City 84132. (801) 581-2258.
- UVH: Utah Valley Hospital, 1034 North Fifth West, Provo 84601. (801) 373-7850.
- VAMC: Veterans Administration Medical Center, 500 Foothill Drive, Salt Lake City 84148. (801) 582-1565.

October 6-8—**Occupational Low Back Pain** (Sponsor: UUMC). Monday-Wednesday. Snowbird Resort. 15 hrs. Contact: Connie Crandall, (801) 581-3841.

October 31-November 1—**Stress, Emotion and Heart Disease** (Sponsor: UUMC). Friday-Saturday. Marriott Hotel, Salt Lake City. 15 hrs. Contact: Hilmon Castle, MD, (801) 581-8664.

November 7-8—**Advanced Trauma Life Support** (Sponsor: UUMC). Friday-Saturday. Quality Inn, Salt Lake City. 16 hrs. Contact: Carla Holmes, (801) 533-6608.

November 20-21—**Postgraduate Laser Program—GI**. (Sponsor: UUMC). Thursday-Friday. University of Utah Medical Center, Salt Lake City. 10 hrs. Contact: John Dixon, MD, (801) 581-2256.

January 5-14—**Hip and Knee Bioskills Workshop** (Sponsor: UUMC). 10 days. Snowbird Resort. 15 hrs. Contact: Aaron Hoffman, MD, (801) 581-8664.

January 20-22—**Pulmonary Function Testing** (Sponsor: UUMC). Tuesday-Thursday. RMCOE, University of Utah Medical Center. 18 hrs. Contact: Connie Crandall, (801) 581-8719.

WASHINGTON

This listing of continuing medical education programs in Washington state is compiled by the Washington State Medical Association. To list Category 1 programs here please send information at least two months in advance to Continuing Medical Education, Washington State Medical Association, 2033 Sixth Avenue, Suite 900, Seattle, WA 98121; or phone (206) 623-4801.

Brochures and registration forms are available from the contact person or organization listed at the end of each course or in the list of course sponsors and contact information.

July 23—**The Burn Wound**. Seattle. Wednesday. Westin Hotel. Contact: U/W.

July 24-25—**The Burn Patient**. Seattle. Thursday-Friday. Westin Hotel. Contact: U/W.

July 24-27—**Anesthesiologists 1986 Seafair Meeting**. Seattle. Thursday-Sunday. Seattle Sheraton. Contact: WSMA.

July 31-August 2—**Reproductive Endocrinology**. Seattle. Thursday-Saturday. U/W Health Sciences Building. Contact: U/W.

August 7-8—**Sports Medicine for Primary Care Physicians**. Seattle. Thursday-Friday. U/W Health Sciences Building. Contact: U/W.

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CONTINUING MEDICAL EDUCATION

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August 10-15—Psychiatry for Primary Care Physicians. Oleneden. Sunday-Friday. Salishan. Contact: U/W.

August 14-15—Otolaryngology Maxillofacial Trauma. Seattle. Thursday-Friday. Westin Hotel. Contact: U/W.

August 21-22—Surviving the Elements. Seattle. Thursday-Friday. U/W Health Sciences Building. Contact: U/W.

September 18-22—Washington State Medical Association Annual Meeting. Spokane. Thursday-Monday. Contact: WSMA, 900 United Airlines Bldg, 2033 6th Ave, Seattle 98121. (206) 623-4801.

COURSE SPONSORS AND CONTACT INFORMATION

CME HARBORVIEW—Contact: Gayle Splater, Cytology Continuing Education, Dept. of Pathology, Harborview Medical Center, 325 Ninth Avenue, Seattle, WA 98104. (206) 223-5953.

CME PIERCE COUNTY—Contact: Mrs. Maxine Bailey, Executive Director, College of Medical Education, 705 South Ninth, No. 203, Tacoma, WA 98405. (206) 627-7137.

U/W (UNIVERSITY OF WASHINGTON)—Contact: U/W School of Medicine, Div. of CME, SC-50, Seattle, WA 98195. (206) 343-1050.

WSMA—Washington State Medical Association, Continuing Medical Education, 2033 Sixth Ave, Suite 900, Seattle, WA 98121. (206) 623-4801.

VMMC (VIRGINIA MASON MEDICAL CENTER)—Contact: Linda Orgel, Division of Continuing Medical Education, Virginia Mason Medical Center, PO Box 900, Seattle, WA 98111. (206) 223-6898.

WYOMING

July 19-26—Controversies in Pediatrics and Primary Care Medicine. Yellowstone National Park Family Camping and Natural History Safari. One week. Sponsors: University of Arizona, Department of Family and Community Medicine, and Epic Medical Expeditions. 24 hrs. Contact: Epic Medical Expeditions, PO Box 209, Sun Valley, ID 83353. (208) 788-4995.

August 1-2—ENT and Practical Audiology for the Physician. Snowking Lodge, Jackson Hole. Friday-Saturday. Sponsor: University of Utah Medical Center. 11 hrs. Contact: Michael Stevens, MD, (801) 581-8664.

August 30-September 6—Controversies in Wilderness and Environmental Medicine. Yellowstone National Park Bicycling Adventure. One week. Sponsors: University of Arizona, Department of Family and Community Medicine, and Epic Medical Expeditions. 24 hrs. Contact: Epic Medical Expeditions, PO Box 209, Sun Valley, ID 83353. (208) 788-4995. ♦

WESTERN STATE MEDICAL ASSOCIATIONS' MEETINGS

Alaska State Medical Association—4107 Laurel St, Anchorage 99504. (907) 562-2662. Annual Meeting: 1987: Date and place to be announced.

Arizona Medical Association, Inc—810 W Bethany Home Rd, Phoenix 85013. (602) 246-8901. Annual Meeting: 1987: Date and place to be announced.

California Medical Association—PO Box 7690, San Francisco 94120-7690. (415) 863-5522. Annual Meeting: March 6-11, 1987, Disneyland Hotel, Anaheim.

Colorado Medical Society—PO Box 17550, Denver 80217-0550. (303) 779-5455. Annual Meeting: September 18-20, 1986, Snowmass.

Hawaii Medical Association—320 Ward Ave, Suite 200, Honolulu 96814. (808) 536-7702. Annual Meeting: October 10-12, 1986, Westin Ilikai Hotel, Honolulu.

Idaho Medical Association—305 W Jefferson, PO Box 2668, Boise 83701. (208) 344-7888. Annual Meeting: July 23-26, 1986, Sun Valley.

Montana Medical Association—2012 11th Ave, Suite 12, Helena 59601. (406) 443-4000. Annual Meeting: October 2-4, 1986, Holiday Inn, Bozeman.

Nevada State Medical Association—3660 Baker Lane, Reno 89502. (702) 825-6788. Annual Meeting: 1987: Date and place to be announced.

New Mexico Medical Society—303 San Mateo NE, Suite 204, Albuquerque 87108. (505) 266-7868. Annual Meeting: 1987: Date and place to be announced.

Oregon Medical Association—5210 SW Corbett Ave, Portland 97201. (503) 226-1555. Annual Meeting: (House of Delegates only): 1987: Date and place to be announced.

Utah State Medical Association—540 E Fifth South, Salt Lake City 84102. (801) 355-7477. Annual Meeting: September 10-12, 1986, Yarrow Holiday Inn, Park City.

Washington State Medical Association—900 United Airlines Bldg, 2033 6th Ave, Seattle 98121. (206) 623-4801. Annual Meeting: September 18-22, 1986, Spokane.

Wyoming Medical Society—PO Drawer 4009, Cheyenne 82003-4009. (307) 635-2424. Annual Meeting: 1987: Date and place to be announced.

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